

<b>Project Title:</b>	NMDA Receptor Function in Lead Neurotoxicity
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Publication Title	Authors	Journal (Pub date)	Volume/Page	PubMed Link
Age-dependent effects of developmental lead exposure on performance in the Morris water maze.	Jett, D A; Kuhlmann, A C; Farmer, S J; Guilarte, T R	Pharmacol Biochem Behav (1997 May-Jun)	57 / 271-9	<a href="#">PubMed</a> <a href="#">Citation</a>
Astrocytes release D-serine by a large vesicle.	Kang, N; Peng, H; Yu, Y; Stanton, P K; Guilarte, T R; Kang, J	Neuroscience (2013 Jun 14)	240 / 243-57	<a href="#">PubMed</a> <a href="#">Citation</a>
Biochemical evidence of an interaction of lead at the zinc allosteric sites of the NMDA receptor com ...	Guilarte, T R; Miceli, R C; Jett, D A	Neurotoxicology (1995)	16 / 63-71	<a href="#">PubMed</a> <a href="#">Citation</a>
Calcium/calmodulin-dependent protein kinase II activity and expression are altered in the hippocampu ...	Toscano, Christopher D; O'Callaghan, James P; Guilarte, Tomas R	Brain Res (2005 May 17)	1044 / 51-8	<a href="#">PubMed</a> <a href="#">Citation</a>
Chronic early life lead (Pb(2+)) exposure alters presynaptic vesicle pools in hippocampal synapses.	Guariglia, Sara Rose; Stansfield, Kirstie H; McGlothan, Jennifer; Guilarte, Tomas R	BMC Pharmacol Toxicol (2016 Nov 02)	17 / 56	<a href="#">PubMed</a> <a href="#">Citation</a>
Chronic exposure of mutant DISC1 mice to lead produces sex-dependent abnormalities consistent with s ...	Abazyan, Bagrat; Dziedzic, Jenifer; Hua, Kegang; Abazyan, Sofya; Yang, Chunxia; Mori, Susumu; Pletnikov, Mikhail V; Guilarte, Tomas R	Schizophr Bull (2014 May)	40 / 575-84	<a href="#">PubMed</a> <a href="#">Citation</a>
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Developmental lead exposure alters N-methyl-D-aspartate and muscarinic cholinergic receptors in the ...	Jett, D A; Guilarte, T R	Neurotoxicology (1995)	16 / 7-18	<a href="#">PubMed</a> <a href="#">Citation</a>
Developmental lead exposure causes spatial learning deficits in adult rats.	Kuhlmann, A C; McGlothan, J L; Guilarte, T R	Neurosci Lett (1997 Sep 19)	233 / 101-4	<a href="#">PubMed</a> <a href="#">Citation</a>
Developmental lead exposure impairs extinction of conditioned fear in young adult rats.	McGlothan, Jennifer L; Karcz-Kubicha, Marzena; Guilarte, Tomás R	Neurotoxicology (2008 Nov)	29 / 1127-30	<a href="#">PubMed</a> <a href="#">Citation</a>

Developmental Pb <sup>2+</sup> exposure alters NMDAR subtypes and reduces CREB phosphorylation in the rat brain.	Toscano, Christopher D; Hashemzadeh-Gargari, Hossein; McGlothan, Jennifer L; Guilarte, Tomas R	Brain Res Dev Brain Res (2002 Dec 15)	139 / 217-26	PubMed Citat
Divalent cations modulate N-methyl-D-aspartate receptor function at the glycine site.	Hashemzadeh-Gargari, H; Guilarte, T R	J Pharmacol Exp Ther (1999 Sep)	290 / 1356-62	PubMed Citat
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Environmental enrichment reverses cognitive and molecular deficits induced by developmental lead exp ...	Guilarte, Tomas R; Toscano, Christopher D; McGlothan, Jennifer L; Weaver, Shelley A	Ann Neurol (2003 Jan)	53 / 50-6	PubMed Citat
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Molecular neurobiology of lead (Pb(2+)): effects on synaptic function.	Neal, April P; Guilarte, Tomas R	Mol Neurobiol (2010 Dec)	42 / 151-60	PubMed Citat
N-methyl-D-aspartate receptor subunit changes are associated with lead-induced deficits of long-term ...	Nihei, M K; Desmond, N L; McGlothan, J L; Kuhlmann, A C; Guilarte, T R	Neuroscience (2000)	99 / 233-42	PubMed Citat
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NMDAR-2A subunit protein expression is reduced in the hippocampus of rats exposed to Pb2+ during dev ...	Nihei, M K; Guilarte, T R	Brain Res Mol Brain Res (1999 Mar 20)	66 / 42-9	PubMed Citat

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Presynaptic mechanisms of lead neurotoxicity: effects on vesicular release, vesicle clustering and m ...	Zhang, Xiao-Lei; Guariglia, Sara R; McGlothan, Jennifer L; Stansfield, Kirstie H; Stanton, Patric K; Guilarte, Tomás R	PLoS One 10 / e0127461 (2015)	PubMed Citat
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